



FOR APPROVAL

PUBLIC

OPEN SESSION

TO: Academic Affairs Committee

SPONSOR: Amrita Daniere, Vice-Principal Academic and Dean
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PRESENTER: See above
CONTACT INFO:

DATE: September 6 , 2017 for September 13, 2017

AGENDA ITEM: 4

ITEM IDENTIFICATION:

Major Modification: New Combined Degree Programs (CDP) in Honours Bachelor of Science (HBSc)/Honours Bachelor of Arts (HBA) at the University of Toronto Mississauga (UTM) and the Master of Teaching (MT) at the Ontario Institute for Studies in Education (OISE).

JURISDICTIONAL INFORMATION:

Under section 5.6 of its terms of reference, the Academic Affairs Committee is responsible for major and minor modifications to existing degree programs.

GOVERNANCE PATH:

- 1. Academic Affairs Committee [For Approval] (September 13, 2017)**

PREVIOUS ACTION TAKEN:

No previous action in governance has been taken on this proposal.

HIGHLIGHTS:

This is a proposal for a series of closely related Combined Degree Programs between the Ontario Institute for Studies in Education (OISE) Master of Teaching program and nineteen (19) UTM undergraduate programs offered through the Departments of Biology, Chemical & Physical Sciences, Mathematical & Computational Sciences, and Language Studies as well as the Forensic Science Program (administered through the Department of Anthropology), effective September 1, 2018.

The combination of the MT program with these UTM major and specialist programs will acknowledge the strong intellectual connection and career training relationship between them

and will serve to prepare well-developed teacher-leaders. The proposed Combined Degree Programs will provide our strongest students with the opportunity to gain early (conditional) graduate admission (in Year 3 of undergraduate study), a clear pathway towards the teaching profession, access to an enriched combination of academic programs, early exposure to graduate level courses, and a reduced course load while completing their MT. Though there is no acceleration in time to completion in the Combined Degree Programs (program length remains at four years for the undergraduate program and two years for the MT) students will benefit from an enhanced academic experience as they must complete 1.0 FCE of graduate level courses in the final year (Year 4) of undergraduate studies. These graduate courses will count toward the completion of both their undergraduate degree and their MT program.

By the end of Year 4 of their undergraduate studies, Combined Degree Program students will have completed their undergraduate specialist or major and will have successfully completed six full credits in university courses (6.0 FCE) in their first teaching subject (i.e. Biology, Chemistry, Science – General, Physics, Mathematics, or French). (Please see Table 1 for a full list of UTM programs that fit with OISE teaching subjects as well as Appendix A for a list of pre-requisites/qualifying courses for each teaching subject.) After Year 4, students will confer their undergraduate Bachelor of Science or Arts degree and receive a full offer of admission to the Master of Teaching Program at OISE (provided they fulfill all the conditional admission requirements). In the remaining two years of the Combined Degree Program (Years 5 and 6), students will complete 9.0 FCE of graduate level courses to earn their Master of Teaching degree.

The six year time to program completion outlined in the proposal reflects full time studies (i.e. 4.0-5.0 FCE) in each academic year. Students who choose to pursue part-time studies at the undergraduate level will extend the length of their program. The Master of Teaching Program is available only on a full-time basis, to be completed over two academic years (20 months).

The OISE Faculty Council will be considering this item concurrently for approval in October 2017.

Faculty and staff in the Departments of Biology, Chemical & Physical Sciences, Mathematical & Computational Sciences, and Language Studies as well as in the Forensic Science Program (administered through the Department of Anthropology) at the University of Toronto Mississauga, and faculty in the Master of Teaching program at OISE, were consulted during the development of this proposal.

FINANCIAL IMPLICATIONS:

There are no net implications for the campus' operating budget.

RECOMMENDATION:

Be it Resolved,

THAT the proposed Combined Degree Program, as recommended by the Vice-Principal Academic and Dean, Professor Amrita Daniere, in the proposal dated August 16, 2017, be approved, effective September 1, 2018.

DOCUMENTATION PROVIDED:

Major Modification Proposal: New Combined Degree Programs (CDP) in Honours Bachelor of Science (HBSc)/Honours Bachelor of Arts (HBA) at the University of Toronto Mississauga (UTM) and the Master of Teaching (MT) at the Ontario Institute for Studies in Education (OISE).

University of Toronto

Major Modification Proposal: Combined Degree Programs

	Campus	Undergraduate Program Option (Spec. in ..., Maj. In ...)	Undergrad Degree	Graduate Degree and Program
1.	UTM/ OISE	Specialist in Astronomical Sciences	Honours Bachelor of Science (HBSc)	Master of Teaching (MT), Teaching
2.	UTM/ OISE	Specialist in Biological Chemistry	(HBSc)	(MT)
3.	UTM/ OISE	Specialist in Biology	(HBSc)	(MT)
4.	UTM/ OISE	Major in Biology	(HBSc)	(MT)
5.	UTM/ OISE	Major in Biology for Health Sciences	(HBSc)	(MT)
6.	UTM/ OISE	Specialist in Chemistry	(HBSc)	(MT)
7.	UTM/ OISE	Major in Chemistry	(HBSc)	(MT)
8.	UTM/ OISE	Specialist in Comparative Physiology	(HBSc)	(MT)
9.	UTM/ OISE	Specialist in Ecology and Evolution	(HBSc)	(MT)
10.	UTM/ OISE	Specialist in Forensic Biology	(HBSc)	(MT)
11.	UTM/ OISE	Specialist in Forensic Chemistry	(HBSc)	(MT)
12.	UTM/ OISE	Specialist in Molecular Biology	(HBSc)	(MT)
13.	UTM/ OISE	Major in Physics	(HBSc)	(MT)
14.	UTM/ OISE	Specialist in Mathematical Sciences	(HBSc)	(MT)

15.	UTM/ OISE	Major in Mathematical Sciences	(HBSc)	(MT)
16.	UTM/ OISE	Specialist in French Studies	Honours Bachelor of Arts (HBA)	(MT)
17.	UTM/ OISE	Major in French Studies	(HBA)	(MT)
18.	UTM/ OISE	Specialist in Language Teaching and Learning: French and Italian	(HBA)	(MT)
19.	UTM/ OISE	Major in Language Teaching and Learning: French	(HBA)	(MT)

Faculty(s):	University of Toronto Mississauga and the Ontario Institute for Studies in Education
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Department(s) / Unit(s) (if applicable):	<p>OISE:</p> <p>Department of Curriculum, Teaching and Learning</p> <p>UTM:</p> <ul style="list-style-type: none"> • Department of Biology • Department of Chemical and Physical Sciences • Forensic Science Program (administered through the Department of Anthropology) • Department of Mathematical and Computational Sciences • Department of Language Studies
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	<ul style="list-style-type: none"> • Tracy Rogers, Director, Forensic Science Program, tracy.rogers@utoronto.ca (the Forensic Science Program is administered through the Department of Anthropology) • Department of Mathematical and Computational Sciences: Ke Zhang, Associate Chair, kzhang@math.utoronto.ca • Department of Language Studies, Emmanuel Nikiema, Chair, Emmanuel.nikiema@utoronto.ca <p>OISE</p> <ul style="list-style-type: none"> • Department of Curriculum, Teaching and Learning Chair, Professor Clare Brett, Associate Chair, Teacher Education, Professor Jim Hewitt
Version Date of Proposal (<i>please change as you edit proposal</i>):	August 16, 2017

1 Summary

A Combined Degree Program (CDP) is a program category that allows a student to be registered in two approved degree programs at the same time and complete the requirements of both in a manner that provides a benefit to the student beyond what would result from completing the two degree programs separately. This is a proposal to introduce 19 Combined Degree Programs (CDPs) in Honours Bachelor of Science (HBSc)/Honours Bachelor of Arts (HBA) at the University of Toronto Mississauga (UTM) and the Master of Teaching (MT) at the Ontario Institute for Studies in Education (OISE). Every combination of degree programs is understood as a unique Combined Degree Program, thus this proposal an omnibus proposal for 19 distinct CDPs. The following list of proposed CDPs presents the undergraduate program options at UTM that may be combined with the MT:

- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Astronomical Sciences / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Biological Chemistry / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Biology / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Major in Biology/ Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Major in Biology for Health Sciences / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Chemistry / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Major in Chemistry / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Comparative Physiology / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Ecology and Evolution / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Forensic Biology / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Forensic Chemistry / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Molecular Biology / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Major in Physics / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Specialist in Mathematical Sciences / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Science, Major in Mathematical Sciences / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Arts, Specialist in French Studies / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Arts, Major in French Studies / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Arts, Specialist in Language

- Teaching and Learning: French and Italian / Master of Teaching
- Combined Degree Program: UTM, Honours Bachelor of Arts, Major in Language Teaching and Learning: French / Master of Teaching

All of the above listed undergraduate programs, and the MT, are existent University of Toronto programs.

These Combined Degree Programs require that students applying to the MT have two teaching subjects regardless of the concentration they are applying to (i.e. Intermediate/Senior, Junior/Intermediate or Primary/Junior). This means that they are required to have successfully completed six full credits in university courses (6.0 FCEs) in the first teaching subject (i.e. Biology, Chemistry, Science – General, Physics, Mathematics, or French) and a minimum of three full credits in university courses (3.0 FCEs) in the second teaching subject. Note: French as a Second Language, International Languages and Science subjects require a minimum of 6.0 credits in university courses even if selected as a second teaching subject.

Table 1: UTM Programs Fit With OISE Teaching Subjects

<i>UTM Major or Specialist Program</i>	<i>Teaching Subject requirements met with the completion of the Major or Specialist program</i>	<i>Notes</i>
Specialist in Astronomical Sciences	Science – Physics	
Specialist in Biological Chemistry	Science – Chemistry Science - Biology Science - General	Any 2 of these 3
Specialist in Biology	Science - Biology	
Major in Biology	Science – Biology	
Major in Biology for Health Sciences	Science - Biology	
Specialist in Chemistry	Science – Chemistry	
Major in Chemistry	Science – Chemistry	
Specialist in Comparative Physiology	Science - Biology	
Specialist in Ecology and Evolution	Science - Biology	
Specialist in Forensic Biology	Science – Biology Science – General	
Specialist in Forensic Chemistry	Science – Chemistry	
Specialist in Molecular Biology	Science - Biology Science – Chemistry Science - General	Any 2 of these 3
Major in Physics	Science – Physics	
Specialist in Mathematical Sciences	Mathematics	
Major in Mathematical Sciences	Mathematics	
Specialist in French Studies	French (Second Language)	
Major in French Studies	French (Second Language)	

Specialist in Language Teaching and Learning: French and Italian	French (Second Language)	
Major in Language Teaching and Learning: French	French (Second Language)	

For an Honours BA or an Honours BSc, students complete: one Specialist program, or two Major programs, or one Major program and two Minor programs.

Note: students enrolled in single-subject Specialist programs, which only helps them meet the requirements for their first teaching subject can complete an additional Minor for their second teaching subject, or select additional undergraduate courses in their second subject area. Students will be carefully advised to ensure they fulfil the requirements for an additional teaching subject when selecting additional courses, or additional Major and/or Minor program(s). In addition to the list of Teaching Subjects Prerequisites for Intermediate/Senior Candidates in the MT (see Appendix A), OISE will develop comprehensive guidelines that will assist the Combined Degree Program students in making decisions regarding selecting additional courses, or additional Major or Minor programs that will help them meet the prerequisites for their second teaching subjects.

The Master of Teaching (MT) program is a full-time professional program of education that leads to a Master’s degree and eligibility to become a certified teacher in Ontario.

The proposed Combined Degree Programs will provide students with the opportunity to gain early (conditional) graduate admission (in Year 3 of undergraduate study), a clear pathway towards the teaching profession, and access to an enriched combination of academic programs. For example, the above-mentioned undergraduate programs provide students interested in applying to the Combined Degree Program with an exceptional content background required for teaching preparation.

Note: Students interested in applying to the MT Program via the Combined Degree Programs are required to gain experience working with groups of children or learners, preferably age-appropriate to the concentration to which they are applying. Students are expected to seek out this experience proactively and separate from their undergraduate program of study through part-time or summer employment, volunteer opportunities, etc.

Students who successfully complete one of the Combined Degree Programs identified in this proposal, will have earned two University of Toronto degrees (i.e. HBSc/HBA and MT), and be recommended to the Ontario College of Teachers for a Certificate of Qualification, which certifies them to teach in Ontario schools.

Currently, students who are interested at the outset of their undergraduate studies in pursuing a degree in teacher education have applied to and registered in one of the existing Concurrent Teacher Education programs (CTEP). With the restructuring of teacher education in the Province of Ontario, and the move from a one-year to two-year program, CTEP programs have been closed to new admissions. In their place, UTM and OISE are bringing forward the proposed Combined Degree Programs that build on UTM’s and OISE’s long-standing partnership in teacher education.

2 Effective Date:

First date students will apply to the Combined Degree Program: **Fall 2018**

The date the first cohort will be registered in the Combined Degree Program: **September 2019**

First year CDP students will be unconditionally in the Graduate Degree Program (where applicable):
September 2020

3 Academic Rationale

UTM has a long history, wealth of knowledge and experience in preparing their graduates for entrance into the teaching profession with the Early Teacher Program (ETP) and its successor the Concurrent Teacher Education Program (CTEP). Through these initiatives, UTM has produced superlative Science, Mathematics and French teachers. This tradition will continue as a suite of Combined Degree Programs that leverages UTM's particular strengths in these subject areas. Students in the Combined Degree Programs will be able to complement their Science, Mathematics or French teaching subjects with UTM's rich programs in the Humanities and Social Sciences through Minors or double Majors in these areas, which will allow them to meet the requirements for their second teaching subject. In this proposal, the above listed undergraduate programs at UTM will be linked to OISE's Master of Teaching a graduate level teacher education program.

As of September 2015, a two-year BEd program replaced the former one-year BEd programs in Ontario. As the BEd within CTEP is the equivalent of a one-year program, the University of Toronto has ceased admission into CTEP. All students currently registered in CTEP programs are expected to graduate by June 2018.

OISE has explored possibilities to continue, and build on, the fruitful collaboration in teacher education that it has maintained with its undergraduate CTEP partners. The proposed Combined Degree Programs, Honours Bachelor of Science/Honours Bachelor of Arts with the Master of Teaching build on that collaboration, and are intended to allow students interested in the teaching profession to apply to the Master's program in Year 3 of undergraduate study. A Combined Degree Program (CDP) is a program category that allows a student to be registered in two approved degree programs at the same time and complete the requirements of both in a manner that provides a benefit to the student beyond what would result from completing the two degree programs separately. Students accepted to the MT via the Combined Degree Programs will get an excellent foundation in a range of educational issues and teaching strategies combined with a deep knowledge of the curriculum; and with several research opportunities available, they will develop as teacher-researchers ready to both engage in classrooms, and/or continue their academic career through doctoral study.

As a graduate teacher education program, the MT provides students with a broader range of career options in Canada and internationally (not only in the school system but also in public or private sectors including health care, governmental and non-governmental organizations, business and community) than in the past. For example, MT graduates are eligible to apply for admission to doctoral programs in education at OISE, other Ontario universities, as well as at leading universities in Canada and around the world.

Owing to their intensive exposure to courses and practical experiences that explore general issues in education, and also to the development of strong subject matter knowledge in their areas of study, students enrolled in the one of the above listed undergraduate programs at UTM are ideally suited to Combined Degree Programs with the Master of Teaching (MT) program.

4 Need and Demand

The existing CTEP programs have admitted up to 160 students per year distributed across six partner divisions. At the same time, demand for OISE's Master's level teacher education programs has been increasing. For example, in 2017-2018, OISE had 1976 applications for 376 places in the Master of Teaching program.

It is expected that the proposed Combined Degree Programs will be popular with students as they will provide them with the opportunity to gain early (conditional) graduate admission, a clear academic pathway, and an enriched combination of academic programs that will support career success. In addition to having a strong content knowledge in two subject areas, all students applying to MT via the Combined Degree Programs will have to ensure that they have experience working with children, which is one of the admission requirements to the MT.

Research shows that the quality of teaching is the most significant factor affecting student achievement, and its impact can directly be influenced by initial and continuing teacher education. Similar to other professions at the "human interface", such as psychology and speech pathology, graduate education for teachers will prepare leaders and researchers who are not only teachers but are well prepared to use data to construct tailored interventions for individual students in diverse learning environments. The Master of Teaching program involves rigorous academic standards, high expectations for students, and integrated, comprehensive and sophisticated learning outcomes. The Combined Bachelors and Master's program leading towards teaching certification will be unique in Ontario, and it is expected to be highly competitive and in high demand.

Students will be admitted to the MT on a competitive basis as part of the overarching MT target. There will be no minimum or maximum number of students in the total MT enrolment target that may come from the Combined Degree Programs.

5 Program Requirements

At UTM, all students enrolled in any of the above listed undergraduate programs and interested in applying to the Combined Degree Programs must complete the full academic program and degree requirements of their chosen undergraduate program including the requirements for their first teaching subject, and the requirements for the second teaching subject, as well as the MT program requirements. In addition, students must normally be full-time and complete a minimum of 5.0 credits over the three sessions (Fall, Winter and Summer) during each year of study (where necessary, exceptions will be made for students in Professional Experience Year programs).

In Year 3, students interested in one of the Combined Degree Programs will apply to the Master of Teaching and the Combined Degree Program through the SGS Graduate Online Admission Application system. Successful students will be conditionally admitted into the Master of Teaching program and the Combined Degree Program. Graduate admission at this point, when the student has not yet completed

the undergraduate degree program, is conditional. Once students have accepted a conditional offer of admission to the MT program, they are in the Combined Degree Program. During Year 4 of undergraduate study, they will be eligible to take 1.0 graduate FCE at OISE, in addition to completing the requirements of their undergraduate degree. The 1.0 graduate FCE will be graded as graduate courses, as per the University Assessment Grading Practices and Policy (UAGPP).

Specifically, upon conditional admittance to the MT program and during Year 4 of undergraduate study, the students will be able to take any two of the elective half-courses recommended for the Combined Degree Program students (See Appendix B for a sample list of courses). These courses will count both towards the undergraduate degree and the MT.

The graduate courses double count both towards the undergraduate degree (satisfying degree requirements) and the Master of Teaching degree. Students who successfully complete the undergraduate degree program with appropriate grade standing (B+; CGPA of 3.3) and meet the other admission criteria of the MT will at this stage be admitted unconditionally to the MT. In Year 5, these students will continue in their graduate level studies following the normal path to completion with the exception of the two half courses they completed in Year 4. Students will complete the MT in the usual program length of 5 continuous sessions.

5.1 Comparison of Curricular Path

The Programs Taken Separately					Combined Degree Program					
		Term	FCE Requirements	Registration in ROSI FT or PT		Term	FCE Requirements		Registration in ROSI FT and / or PT	
							Degree 1	Degree 2		
UTM HBA Or HBSc	1st year	f	5.0	FT	1st year	f	5.0		FT	
		w				w				
		s				s				
	2nd year	f	5.0	FT	2nd year	f	5.0		FT	
		w				w				
		s				s				
	3rd year	f	5.0	FT	3rd year	f	5.0		FT	
		w				w				
		s				s				
	4th year	f	5.0	FT	4th year	f	4.0	1.0		
		w				w				
		s				s				
M.T.	1st year	f	5.0	FT	5th year	f		3.5 or 4.0	FT	
		w		FT		w			1.5 or 2.0	FT
		s		FT		s				
	2nd year	f	5.0	FT	6th year	f		3.5 or 4.0	FT	
		w		FT		w				FT
		s				s				

6 Admission Process

Students in Year 3 of the HBSc or HBA will be eligible to apply through the School of Graduate Studies Online Application System to the proposed Combined Degree Programs.

Students interested in the Combined Degree Programs will apply during the Fall term of their Year 3, and if eligible, will receive a conditional offer of admission to the MT program by the end of the Winter term of their Year 3 in the undergraduate program.

For students to be given full, unconditional admission to the MT program, they must maintain at least a B+ (3.3) average in their final year courses; achieve a grade of at least B+ average in the 1.0 FCE graduate courses taken in Year 4; successfully complete the requirements of their chosen HBSc or HBA program, and have the degree conferred. If at the end of Year 4 the student has not met the requirement of completing a minimum of 6.0 FCEs in the first teaching subject and a minimum of 3.0 (or 6.0 where applicable) FCEs in the second teaching subject, the offer of conditional admission to

the Combined Degree Program will be rescinded.

Students in this position could apply separately to the Master of Teaching outside of the Combined Degree Program.

7 Admission Requirements

The proposal for the Combined Degree Program does not affect the established admission requirements for the HBSc and HBA degrees.

To be considered for conditional admission to the Master of Teaching and the Combined Degree Program, students must meet the following admission requirements:

1. Be registered in Year 3 of the chosen HBSc or HBA Degree Program, in one of the above listed undergraduate programs.
2. Have an average grade equivalent of at least B+ (3.3) or better, normally demonstrated by an average grade in the 2nd year.
3. Provide at least two letters of reference (http://www.oise.utoronto.ca/mt/How_To_Apply.html).
4. Be on course to complete the prerequisites for two teaching subjects (a minimum of 6.0 credits for the primary teaching subject, and a minimum of 3.0 credits for the secondary teaching subject) irrespective of whether they ultimately intend on registering in the Intermediate/Senior, Junior/Intermediate or Primary/Junior concentration (Note: candidates must have completed at least half of the teaching subjects prerequisite courses [i.e. 3.0 FCEs in 1st teaching subject, and 1.5 (or 3.0 where applicable) FCEs in 2nd teaching subject] by the time they are conditionally admitted to the MT program, that is, by the 2nd term of 3rd year in the undergraduate program).
5. Meet other qualifications as specified by the MT program:
 - Applicants are admitted under the General Regulations of the School of Graduate Studies.
 - Applicants must also satisfy the Department of Curriculum, Teaching and Learning's additional admission requirements stated below.
 - Applicants must have an appropriate bachelor's degree with the equivalent of a University of Toronto B+ or better in the final year. Note: all students admitted to the MT via the Combined Degree Program must have a higher average grade requirement than that required for admission to the MT alone.
 - In their Statement of Intent, applicants should indicate their preferred concentration (i.e., Primary/ Junior, Junior/Intermediate, or Intermediate/Senior) and describe three significant teaching and/or teaching-related experiences that they have had, especially with groups of children. With reference to these experiences, applicants should identify insights gained about teaching and learning, and explain how, based on these insights, they might contribute to the education of students in today's schools. Included in their resumé, applicants are requested to list, in chart form, the extent of their teaching experiences. The chart should include dates, location of experience, role, and number of hours working with students.
 - A police record check is required in a practicum setting in both Year 1 and 2 of the program.

Note: When considering applications, the Master of Teaching Program takes into account both grades, and relevant teaching experiences, academic and professional reference letters. Applicants will be asked to submit a chart of their experiences working with children/learners in an instructional capacity. Those experiences might take the form of paid or volunteer work in classrooms, camp counseling, outreach programs at museums, the teaching of religion classes, work as a music instructor, private tutor, and so forth. If planning to be elementary teachers, candidates' relevant teaching experiences will ideally be with children in the elementary years. Similarly, if planning to be a secondary teacher, candidates' experiences should involve secondary-level students.

Note: all students must meet the requirements for two teaching subjects. In order to meet the admissions requirements for their two teaching subjects, applicants must be on course to completing the required number of prerequisite courses in each of their subject areas as part of their undergraduate studies. Specifically, applicants must have a minimum of 6.0 FCEs in university courses (or equivalent) in their first teaching subject, and a minimum of 3.0 (or 6.0 where applicable) FCEs in university courses (or equivalent) in their second teaching subject. Note: French as a Second Language, International Languages and Science subjects require a minimum of 6.0 credits in university courses (6.0 FCEs). For details, visit the MT website i.e. Intermediate/Senior Teaching Subject prerequisites (see Appendix A).

Note: If at the end of Year 4 the student has not met the requirement of completing 6.0 FCEs in the first teaching subject and a minimum of 3.0 (or 6.0 where applicable) FCEs in the second teaching subject, the offer of conditional admission to the Combined Degree Program will be rescinded. Students in this position could apply separately to the Master of Teaching outside of the Combined Degree Program.

If a student in the undergraduate program fails the double counted graduate course(s) based on the graduate grading scale, the instructor of the graduate course will provide a numeric grade. The course will be removed from the graduate registration segment on ROSI and be added to the undergraduate registration segment with the numeric grade provided by the instructor. The graduate registration record will be cancelled so it does not appear on the transcript. The course will appear with a numeric grade in the undergraduate segment of the transcript.

8 Calendar Copy

Undergraduate Calendar Copy:

Combined Degree Programs: Honours Bachelor of Science or Honours Bachelor of Arts / Master of Teaching

The Combined Degree Programs (CDP) in Honours Bachelor of Science or Honours Bachelor of Arts /Master of Teaching is designed for students interested in pursuing professional teacher preparation.

Students earn a bachelor's degree from UTM and an accredited professional Master of Teaching (MT) degree at the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers. Distinct advantages include:

- early application to the MT program (in Year 3) and conditional admission to the MT program;
- eligibility for certification as a teacher in Ontario; and
- eligibility to apply for doctoral study.

This CDP permits the completion of both degrees in six years with 1.0 credit (full-course equivalent [FCE]) that may be counted towards both the undergraduate and graduate degrees

Minimum Admission Requirements:

- Applicants must apply to, and be accepted by, at least one of the below listed undergraduate programs at UTM and also the OISE Master of Teaching program. Applicants must satisfy the admission requirements of each program.
- Students must be enrolled full-time and be in Good Standing in their chosen undergraduate program with a B+ average (3.3) in Year 2 of their program to be eligible for admission into the MT and the Combined Degree Program; students must normally complete a minimum of 5.0 credits over the three terms (Fall, Winter and Summer) during each year of study (where necessary, exceptions will be made for students in PEY programs).
- Qualified undergraduate students in Year 3 of their chosen undergraduate program(s) may apply to the Master of Teaching program and the Combined Degree Program; those accepted will receive a conditional offer to of admission to the graduate program and be admitted to the CDP.
- Admission into the MT program will have the following conditions:
 - Students must maintain a B+ average (3.3) or higher in their final year of study;
 - Students must complete the requirements of their chosen undergraduate program;
 - Students must demonstrate conferral of the BSc/BA degree
 - Students must provide at least two letters of reference (see: <http://www.oise.utoronto.ca/mt/Home.html>);
- Students must complete the prerequisites for two teaching subjects irrespective of the grade level they ultimately intend to teach.
 - Students are required to complete a minimum of 6.0 credits in their primary teaching subject, and a minimum of 3.0 credits in their secondary teaching subject (some secondary teaching subjects require more than 3.0 credits; students should consult the OISE website for more information);
 - Students must have completed 3.0 credits in their primary teaching subject, and 1.5 credits (or more where applicable) for their secondary teaching subject by the time they are conditionally admitted to the MT program (i.e., by the second term of Year 3 of the undergraduate program);
- The table below identifies the **primary** teaching subject each UTM program fits into; students may need to complete additional courses to fulfill the minimum 3.0 credits required for the secondary teaching subject. Students are advised to consult often with the academic supervisor of their chosen undergraduate program to ensure they fulfill all the necessary requirements of the Combined Degree Program;
- Meet other qualifications as specified by the MT program:
 - Applicants are admitted under the General Regulations of the School of Graduate Studies.
 - Applicants must also satisfy the Department of Curriculum, Teaching and Learning's additional admission requirements stated below.
 - Applicants must have an appropriate bachelor's degree with the equivalent of a University of Toronto B+ or better in the final year. Note: all students admitted to the MT via the Combined Degree Program must have a higher average grade requirement than that required for admission to the MT alone.
 - In their Statement of Intent, applicants should indicate their preferred concentration (i.e., Primary/ Junior, Junior/Intermediate, or Intermediate/Senior) and describe three significant

teaching and/or teaching-related experiences that they have had, especially with groups of children. With reference to these experiences, applicants should identify insights gained about teaching and learning, and explain how, based on these insights, they might contribute to the education of students in today's schools. Included in their resumé, applicants are requested to list, in chart form, the extent of their teaching experiences. The chart should include dates, location of experience, role, and number of hours working with students.

- A police record check is required in a practicum setting in both Year 1 and 2 of the program.

Table 1: UTM Programs Fit With OISE MT Teaching Subjects

<i>UTM Major or Specialist Program</i>	<i>Teaching Subjects completed with the completion of the Major or Specialist Program</i>	<i>Notes</i>
Specialist in Astronomical Sciences	Science – Physics	
Specialist in Biological Chemistry	Science – Chemistry Science - Biology Science - General	Any 2 of these 3
Specialist in Biology	Science - Biology	
Major in Biology	Science – Biology	
Major in Biology for Health Sciences	Science - Biology	
Specialist in Chemistry	Science – Chemistry	
Major in Chemistry	Science – Chemistry	
Specialist in Comparative Physiology	Science - Biology	
Specialist in Ecology and Evolution Chemistry	Science - Biology Science - General	
Specialist in Forensic Biology	Science – Biology Science – General	
Specialist in Forensic Chemistry	Science – Chemistry	
Specialist in Molecular Biology	Science - Biology Science – Chemistry Science - General	Any 2 of these 3
Major in Physics	Science – Physics	
Specialist in Mathematical Sciences	Mathematics	
Major in Mathematical Sciences	Mathematics	
Specialist in French Studies	French (Second Language)	
Major in French Studies	French (Second Language)	
Specialist in Language Teaching and Learning: French and Italian	French (Second Language)	
Major in Language Teaching and Learning: French	French (Second Language)	

Program Requirements:

- Students must complete the full academic program requirements of their undergraduate program(s) and degree, as well as those of the Master of Teaching;
- Students must be registered full-time, and carry a full course load in each year of study, throughout their chosen undergraduate program;
- Students who are admitted to the CDP receive conditional offers of admission to the MT during Year 3 of their chosen undergraduate program, and will commence the MT during Year 4 when they are enrolled in the 1.0 FCE graduate elective courses;
- In Year 4 of undergraduate studies, combined degree program students must take 1.0 credit (FCEs) in graduate courses as designated by the OISE MT program. The 1.0 graduate FCE will count both towards the undergraduate degree and the MT. A Combined Degree Program student is graded as a graduate student and required to meet graduate expectations in the graduate courses.

Students admitted to the CDP follow the academic path to completion outlined below.

First Year:

Curricular Path: Undergraduate courses in accordance with chosen undergraduate program.

Specific Requirements: 5.0 full-course equivalents (FCEs) toward the HBSc/ HBA program and degree requirements. See specific program entry in this Calendar for specific program requirements.

Second Year:

Curricular Path: Undergraduate courses in accordance with chosen undergraduate program.

Specific Requirements: 5.0 full-course equivalents (FCEs) toward the HBSc/ HBA program and degree requirements. See specific program entry in this Calendar for specific program requirements.

Third Year:

Curricular Path: Undergraduate courses in accordance with chosen undergraduate program.

Specific Requirements: 5.0 full-course equivalents (FCEs) toward the HBSc/ HBA program and degree requirements. See specific program entry in this Calendar for specific program requirements. In the Fall session, students apply to the MT program. Upon conditional acceptance, they are enrolled in the CDP.

Fourth Year:

Curricular Path: Undergraduate courses in accordance with chosen undergraduate program. MT courses in accordance with the U of T regulations for the MT program.

Specific Requirements: 4.0 full-course equivalents (FCEs) toward the HBSc/ HBA program and degree requirements. See specific program entry in this Calendar for specific program requirements. 1.0 FCE in MT courses as designated by the OISE MT program; this 1.0 FCE will be counted towards the overall

requirements of the HBSc and MT degree requirements.

Fifth Year:

Curricular Path: Graduate courses in accordance with the U of T regulations for the MT program.

Specific Requirements: 4.5 FCEs of Year 1 MT program requirements

Sixth Year:

Curricular Path: Graduate courses in accordance with the U of T regulations for the MT program.

Specific Requirements: 4.5 FCEs of Year 2 MT program requirements

Program Length: 6 years full-time

Time Limit: BSc/BA + 3 years MT

Contact Information:

Honours Bachelor of Science (HBSc)/Honours Bachelor of Arts (HBA) University of Toronto Mississauga <http://www.utm.utoronto.ca/>

- For programs in Biology, Biology for Health Sciences, Comparative Physiology, Ecology and Evolution, Molecular Biology, contact the Department of Biology: <https://www.utm.utoronto.ca/biology/home>
- For programs in Astronomical Sciences, Biological Chemistry, Chemistry and Physics, contact the Department of Chemical and Physical Sciences: <https://www.utm.utoronto.ca/cps/>
- For programs in Forensic Biology and Forensic Chemistry, contact the Forensic Science program: <https://www.utm.utoronto.ca/forensic/forensic-science>
- For programs in Mathematical Sciences, contact the Department of Computational and Mathematical Sciences <http://www.utm.utoronto.ca/math-cs-stats/>
- For programs in French and Language Teaching & Learning, contact the Department of Language Studies: <https://www.utm.utoronto.ca/language-studies/department-language-studies>

Master of Teaching (MT)

Ontario Institute for Studies in Education <http://www.oise.utoronto.ca/oise/>

Department of Curriculum Teaching and Learning <http://www.oise.utoronto.ca/ctl/>

SGS Calendar Copy:

Every combination of degree programs is understood as a unique Combined Degree Program, thus this proposal an omnibus proposal for 19 distinct CDPs. Each combination will have a discreet SGS Calendar entry. The entry below is for the Combined Degree Program: UTSC, Honours Bachelor of Arts, Major in French / Master of Teaching. As each combination has the same admission and graduate program requirements, the entry below is representative of all 22 versions.

2016-17 SGS Calendar

French Studies (Major), Honours Bachelor of Arts / Master of Teaching

Overview

The **Combined Degree Program (CDP): UTM, Honours Bachelor of Arts, Major in French Studies / Master of Teaching** is designed for students interested in studying the intersections of French and Education, coupled with professional teacher preparation.

Students earn a bachelor's degree from UTM and an accredited professional Master of Teaching (MT) degree at the Ontario Institute for Studies in Education (OISE). They will be recommended to the Ontario College of Teachers for an Ontario Teacher's Certificate of Qualifications as elementary or secondary school teachers.

Distinct advantages include:

early application to the MT program (in Year 3) and conditional admission to the MT program;
eligibility for certification as a teacher in Ontario; and
eligibility to apply for doctoral study.

This CDP permits the completion of both degrees in six years with 1.0 credit (full-course equivalent [FCE]) that may be counted towards both the undergraduate and graduate degrees.

For a general description of CDPs, see General Regulations section 1.5.3.

Degree Programs in This Combination

French Studies, HBA
Teaching, MT

Application Process

Applicants apply to the HBA program, the MT program, and the CDP.

Requirements

Minimum Admission Requirements

- Applicants must have been admitted to the HBA degree program and the French major program.
- Applicants must meet the admission requirements of the School of Graduate Studies and the MT program.
- In addition, applicants to the MT program must have an average grade of at least B+ (3.3).
- Please see the contact information below to find details on each program's admission requirements.
- In their Statement of Intent, applicants should indicate their preferred concentration (i.e., Primary/Junior, Junior/Intermediate, or Intermediate/Senior) and describe three significant teaching and/or teaching-related experiences that they have had, especially with groups of children. With reference to these experiences, applicants should identify insights gained about teaching and learning, and explain how, based on these insights, they might contribute to the education of students in today's schools. Included in their resumé, applicants are requested to list, in chart form, the extent of their teaching experiences. The chart should include dates, location of experience, role, and number of hours working with students.
- Applicants to each concentration will have completed a minimum of 6.0 full-course equivalents (FCEs) as part of the French major requirements in the first teaching subject, and a minimum of 3.0 FCEs in the second teaching subject, from a recognized university.
- The 22 eligible teaching subjects (note that not all teaching subjects are offered this year):
 - Business studies: accounting
 - Business studies: general
 - Dramatic arts
 - English
 - French as a second language
 - Geography
 - Health and physical education

- History
- International language: German
- International language: Italian
- International language: Spanish
- International language: other
- Mathematics
- Music: instrumental
- Music: vocal
- Religious education
- Science: biology
- Science: chemistry
- Science: physics
- Science: general
- Social science: general
- Visual arts

Academic Path to Completion

Every CDP involves a specific combination of approved degree programs. The CDP requirements build on those of the two separate degree programs. Each CDP has a unique pattern of academic activity year by year.

Year	Curricular Path	Specific Requirements*
1 to 4	<ul style="list-style-type: none"> • HBA program requirements • In Year 4, complete 1.0 full-course equivalent (FCE) in graduate courses • By the end of Year 4, fulfil both the undergraduate program requirements and the undergraduate degree requirements 	<ul style="list-style-type: none"> • 19.0 FCEs in undergraduate courses <ul style="list-style-type: none"> ◦ this includes a minimum of 6.0 FCEs as part of the French major requirements in the first teaching subject, and a minimum of 3.0 FCEs in the second teaching subject • any two of the elective half-courses recommended for the Combined Degree Program students to be taken in Year 4, and which is double counted towards the program requirements for the HBA and MT degree programs
5	<ul style="list-style-type: none"> • Remaining courses from Year 1 of the MT program 	<ul style="list-style-type: none"> • 4.5 FCEs of Year 1 MT program requirements
6	<ul style="list-style-type: none"> • Remaining courses from Year 2 of the MT program 	<ul style="list-style-type: none"> • 4.5 FCEs of Year 2 MT program requirements

*The MT has three concentrations: Primary/Junior, Junior/Intermediate, and Intermediate/Senior. The specific requirements vary based on which concentration is selected. For details, see the MT calendar

Time Limit

The calculation of the time limit for the graduate degree in the CDP begins with full, unconditional admission to the graduate program.

Contact

Honours Bachelor of Arts Program, Department of Language Studies (UTM) Web: <https://www.utm.utoronto.ca/language-studies/department-language-studies>
 Email: rosa.ciantar@utoronto.ca

Master of Teaching Program, Ontario Institute for Studies in Education (OISE) Web: www.oise.utoronto.ca/mt
 Email: mtinfo@utoronto.ca

9 Consultation

This proposal is the product of extensive consultation between the Dean's Offices of the University of Toronto Mississauga and the Ontario Institute for Studies in Education, the academic units offering the

undergraduate programs and the Master of Teaching program.

This proposal document captures the curricular arrangements of the Combined Degree Programs. The specific arrangements between OISE and UTM will be outlined in the MOU.

10 Governance Process

Steps	Approval
Development of proposal in close consultation between Dean's Offices	Winter term of 2016-2017
Consultation with Provost's Office	Summer 2017
Divisional Approvals	Unit level approval as appropriate <u>OISE</u> Academic Programs Committee – October, 5, 2017 OISE Council – October 25, 2017 <u>UTM</u> UTM Academic Affairs Committee – September 13, 2017
Submission to Provost's Office	
Report to AP&P (by P.O.)	
Report to Ontario Quality Council (by P.O.)	

Appendix A: Intermediate/Senior Teaching Subject Prerequisites – Master of Teaching, 2018-19

Applicants who apply to the Master of Teaching Program must specify which concentration and corresponding teaching subject(s) they would like to apply for. A course will be counted as a prerequisite toward your teaching subject(s) chosen if you have completed and received credit for the course or if you can prove you are currently enrolled in the prerequisite course on your transcript. Note that the course you are enrolled in must be completed before the start of the Master of Teaching Program.

Intermediate / Senior Concentration (I / S)

Applicants who apply to this concentration will be eligible to teach children from grades seven to twelve. Please note that you must select **two** teaching subject from the list below. Please ensure that you have the required number of courses in the subjects listed below prior to applying to this concentration.

Important Notes:

- Applicants may choose only one of Music-Instrumental or Music-Vocal, not both
- If candidates select two science teaching subjects, they must have a minimum of 10 full-year university courses in the sciences and these must include the prerequisite courses for each of the two science teaching subjects

Intermediate / Senior Teaching Subjects and Prerequisites

Dramatic Arts	Six full-year university courses in Theatre and Dramatic Arts if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.
English (First Language)	Six full-year university courses in English if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject
French (Second Language)	Six full-year university courses in French and demonstrated written and oral proficiency (<i>regardless of whether it is the first or second choice teaching subject</i>) If admissible to the program, applicants who select French as a Second Language as a teaching subject must demonstrate oral and written proficiency in French prior to registering in the program through testing administered at the time of admission. Applicants who fail to demonstrate proficiency will be deemed to have NOT satisfied the prerequisite for the

	French teaching subject even if they have the required number of academic courses. Refer to the OISE Proficiency Test in French & International Languages (OPTFIL) for detailed information about the test
Geography	Six full-year university courses in Geography if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.
Health and Physical Education	Six full-year university courses in Health and Physical Education if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.
History	Six full-year university courses in History if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject. Up to 1 full-year course in Political Science, Philosophy, or subject-specific history such as Art History or Music History, may be counted towards this prerequisite.
Mathematics	Six full-year university courses in Mathematics if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject Up to 1 full-year course in Statistics may be counted towards this prerequisite
Music - Instrumental	Six full-year university courses in Instrumental Music if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject Applicants may choose only one of: Music-Instrumental or Music-Vocal
Music - Vocal	Six full-year university courses in Vocal Music if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject Applicants may choose only one of: Music-Instrumental or Music-Vocal
Religious Education	Six full-year university courses in Theology or Religious Studies if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject. <i>(This course is primarily intended to prepare teachers of Religious Education in Roman Catholic Secondary Schools)</i>
Science - Biology	Six full-year university courses in Science, with a minimum of four full-year courses in Biology <i>(regardless of whether it is the first or second choice teaching subject)</i> Biochemistry is accepted as Chemistry or Biology Courses in Botany, Zoology, and life sciences such as Anatomy, Physiology, Immunology, and Genetics are accepted as Biology Psychology courses are not accepted towards this prerequisite
Science - Chemistry	Six full-year university courses in Science, with a minimum of four full-year courses in Chemistry <i>(regardless of whether it is the first or second choice teaching subject)</i>

	Biochemistry is accepted as Chemistry or Biology
Science -General	Six full-year university courses in Science, with a minimum of one full-year course in each area of Biology, Chemistry, and Physics (<i>regardless of whether it is the first or second choice teaching subject</i>) Psychology courses are not accepted towards this prerequisite
Science -Physics	Six full-year university courses in Science, with a minimum of four full-year courses in Physics (<i>regardless of whether it is the first or second choice teaching subject</i>) Astrophysics and Geophysics are acceptable
Social Science - General	Six full-year university courses in any of Psychology, Sociology or Anthropology if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice
Visual Arts	Six full-year university courses in Visual Arts if selected as your first choice teaching subject, or three full-year university courses if selected as your second choice teaching subject.

*Not all teaching subjects may be offered in a given year. OISE reserves the right to cancel courses for which enrolment or resources are insufficient.

Appendix B: Recommended Elective Courses

Each year, the Master of Teaching program will identify a group of "Recommended Electives" for Combined Program students. These elective courses are designed to complement MT core courses, have strong professional focus, and tend to be taken by in-service teachers and MT students. The list of "Recommended Electives" will change from year to year, but here is a sample list:

- CTL1222H Environmental Studies in SMT Education
- CTL1223H Activist Science and Technology Education
- CTL1313H Gender Equity in the Classroom
- CTL1016H Cooperative Learning Research and Practice
- CTL1406H The Origins of Modern Schooling
- CTL1818H Arts in Education: Concepts, Contexts, and Frameworks
- CTL3023H Introduction to Aboriginal Land-Centered Education
- CTL1104H Play, Drama and Arts Education
- CTL3018H Language Planning and Policy
- CTL1799HS Issues in Music Education

Note: Not all listed courses may be offered in a given year. OISE reserves the right to cancel courses for which enrolment or resources are insufficient.